

=> d his

(FILE 'HOME' ENTERED AT 15:03:09 ON 07 SEP 2002)

FILE 'REGISTRY' ENTERED AT 15:03:22 ON 07 SEP 2002
L1 1 S LYSOZYME/CN

FILE 'HCAPLUS' ENTERED AT 15:03:33 ON 07 SEP 2002

FILE 'REGISTRY' ENTERED AT 15:03:37 ON 07 SEP 2002
SET SMARTSELECT ON
L2 SEL L1 1- CHEM : 16 TERMS
SET SMARTSELECT OFF

FILE 'HCAPLUS' ENTERED AT 15:03:37 ON 07 SEP 2002
L3 25706 S L2
L4 3182 S L3 (L) (HUMAN OR MAN)
L5 216 S L4 (L) (DNA OR CDNA OR NUCLEOTIDE OR POLYNUCLEOTIDE OR NUCLEI
L6 171 S L5 AND PD<19980831

> s lysozyme/cn

L1 1 LYSOZYME/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 9001-63-2 REGISTRY

CN **Lysozyme (8CI, 9CI)** (CA INDEX NAME)

OTHER NAMES:

CN .beta.-1,4-N-Acetylmuramidase

CN E.C. 3.2.1.17

CN Globulin G

CN Globulin G1

CN KLP 602

CN L 7001

CN Lydium-KLP

CN Mucopeptide glucohydrolase

CN Muramidase

CN N,O-Diacetylmuramidase

CN Peptidoglycan N-acetylmuramoylhydrolase

DR 56378-00-8

MF Unspecified

CI COM, MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,
DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NAPRALERT, NIOSHTIC, PHAR, PIRA, PROMT, RTECS*, TOXCENTER,
TOXLIT, USAN, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

14340 REFERENCES IN FILE CA (1967 TO DATE)

694 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

14356 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=>

=> d ti 1-70

L6 ANSWER 1 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Matrix attachment region sequences enhanced the expression frequency of a whey acidic protein/human lactoferrin fusion gene in the mammary gland of transgenic mice

L6 ANSWER 2 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Human .beta.-defensin 2 is a salt-sensitive peptide antibiotic expressed in human lung

L6 ANSWER 3 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Expression of a bovine .beta.-casein/human lysozyme fusion gene in the mammary gland of transgenic mice

L6 ANSWER 4 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Pausing and termination by bacteriophage T7 RNA polymerase

L6 ANSWER 5 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Secondary cloning of human acidic fibroblast growth factor cDNA and purification of recombinant acidic fibroblast growth factor

L6 ANSWER 6 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Isolation of anti-glutathione antibodies from a phage display library

L6 ANSWER 7 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Substrate specificity of deubiquitinating enzymes: Ubiquitin C-terminal hydrolases

L6 ANSWER 8 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Evolution of immunologic functions of the mammary gland and the postnatal development of immunity

L6 ANSWER 9 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI The human lysozyme gene undergoes stepwise demethylation during phagocyte maturation

L6 ANSWER 10 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI DNA immunization: induction of higher avidity antibody and effect of route on T cell cytotoxicity

L6 ANSWER 11 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI FISH mapping of seven cDNA sequences in the pig

L6 ANSWER 12 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Characterization and expression of c-type lysozyme cDNA from Japanese flounder (*Paralichthys olivaceus*)

L6 ANSWER 13 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI N-terminal stretch Arg2, Arg3, Arg4 and Arg5 of **human** lactoferrin is essential for binding to heparin, bacterial lipopolysaccharide, **human lysozyme** and **DNA**

L6 ANSWER 14 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Expression of two myeloid cell-specific cell-specific genes requires the novel transcription factor, c-fes expression factor

L6 ANSWER 15 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Bactericidal activity of human lysozymes carrying various lengths of polyproline chain at the C-terminus

L6 ANSWER 16 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI Complexes of Cu(II) with biomacromolecules, use of Cu(II)ions as structural "spin-labels"

L6 ANSWER 17 OF 171 HCAPLUS COPYRIGHT 2002 ACS

TI DNA extraction from ancient human bones via enzymic treatment

L6 ANSWER 18 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Chicken MAR-binding protein ARBP is homologous to rat methyl-CpG-binding protein MeCP2

L6 ANSWER 19 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Fungal and bacterial disease resistance in transgenic plants expressing human lysozyme

L6 ANSWER 20 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Mutant bacteriophage T7 RNA polymerases with altered termination properties

L6 ANSWER 21 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Transgenic expression of a CD46 (membrane cofactor protein) minigene. Studies of xenotransplantation and measles virus infection

L6 ANSWER 22 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Synergy of Taxol and radioimmunotherapy with yttrium-90-labeled chimeric L6 antibody: efficacy and toxicity in breast cancer xenografts

L6 ANSWER 23 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Skin substitute using marine organisms

L6 ANSWER 24 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Negative protein 1, which is required for function of the chicken lysozyme gene silencer in conjunction with hormone receptors, is identical to the multivalent zinc finger repressor CTCF

L6 ANSWER 25 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Yeast counterparts of subunits S5a and p58 (S3) of the human 26S proteasome are encoded by two multicopy suppressors of nin1-1

L6 ANSWER 26 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Structural deviations in a bovine low expression lysozyme-encoding gene active in tissues other than stomach

L6 ANSWER 27 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Myoglobin inhibits proliferation of cultured human proximal tubular (HK-2) cells

L6 ANSWER 28 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Incorporation of nuclear matrix attachment regions into the herpes simplex virus type 1 genome does not induce long-term expression of a foreign gene during latency

L6 ANSWER 29 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Variable regions of two murine antibodies that bind the SLE associated 16/6 idiotype

L6 ANSWER 30 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI DNA bending by the silencer protein NeP1 is modulated by TR and RXR

L6 ANSWER 31 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Recombinant plants with enhanced pest and disease resistance using human lysozyme gene in expression cassette and agricultural applications

L6 ANSWER 32 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Thapsigargin activates univalent- and bivalent-cation entry in human neutrophils by a SK&F 96365- and Gd3+-sensitive pathway and is a partial secretagogue; induced of pertussis-toxin-sensitive G-proteins and protein phosphatases 1/2A and 2B in the signal-transduction pathway

L6 ANSWER 33 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Identification of a silencer, enhancer, and basal promoter region in the human CD95 (Fas/APO-1) gene

L6 ANSWER 34 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Characterization of the receptor protein tyrosine phosphatase gene product
. PTP.gamma.: binding and activation by triphosphorylated nucleosides

L6 ANSWER 35 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Studies on the engineering of human lysozyme

L6 ANSWER 36 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Secretion of active human lysozyme by Acremonium chrysogenum using a
Fusarium alkaline protease promoter system

L6 ANSWER 37 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for
dietary supplementation in hyperphenylalaninemia

L6 ANSWER 38 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Sequencing and primary structure analysis of the 3'-flank of human tissue
plasminogen activator gene

L6 ANSWER 39 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI The human low affinity immunoglobulin G Fc receptor III-A and III-B genes.
Molecular characterization of the promoter regions

L6 ANSWER 40 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Direct sequencing of terminal regions of genomic P1 clones: a general
strategy for the design of sequence-tagged site markers

L6 ANSWER 41 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Distribution of lysozyme and mucin (MUC2 and MUC3) mRNA in human bronchus

L6 ANSWER 42 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Use of deoxyinosine-containing primers vs degenerate primers for
polymerase chain reaction based on ambiguous sequence information

L6 ANSWER 43 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Synthesis and cloning of the human lysozyme gene

L6 ANSWER 44 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Paneth cell differentiation in the developing intestine of normal and
transgenic mice

L6 ANSWER 45 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Expression of human lysozyme mRNA in the mammary gland of transgenic mice

L6 ANSWER 46 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI The effects of P-box substitutions in thyroid hormone receptor on DNA
binding specificity

L6 ANSWER 47 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Molecular cloning and expression of a unique receptor-like
protein-tyrosine-phosphatase in the leukocyte-common-antigen-related
phosphatase family

L6 ANSWER 48 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Phosphorylation enhances the target gene sequence-dependent dimerization
of thyroid hormone receptor with retinoid X receptor

L6 ANSWER 49 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI A novel culture method for high level production of heterologous protein
in Saccharomyces cerevisiae

L6 ANSWER 50 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Lysozyme-encoding bovine cDNAs from neutrophilic granulocytes and mammary
gland are derived from a different gene than stomach lysozymes

L6 ANSWER 51 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Unusual clustering of Alu repeats within the 5'-flanking region of the

human lysozyme gene

- L6 ANSWER 52 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Control of secretory production of human lysozyme from *Saccharomyces cerevisiae* by incubation temperature and phosphate concentration
- L6 ANSWER 53 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Preparation of human lysozyme mutein and its use as substrate of protein disulfide isomerase
- L6 ANSWER 54 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Evaluation of expression of transferred genes in differentiating myeloid cells: expression of human glucocerebrosidase in murine macrophages
- L6 ANSWER 55 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Effects of indomethacin and prostaglandin E1 on the production of fibronectin and lysozyme by monocyte-derived macrophages in vitro
- L6 ANSWER 56 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Isolation of chicken phosphotyrosyl phosphatase cDNA sequences and identification of a brain-specific species related to human PTP.zeta.
- L6 ANSWER 57 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI The cloning, sequencing, and analysis of Chinese **human lysozyme** gene **cDNA** amplified with RT-PCR from **human** placental total RNA
- L6 ANSWER 58 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Synthesis of phosphorylated oligosaccharides in lysozyme is enhanced by fusion to cathepsin D
- L6 ANSWER 59 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Preparation of chimera proteins of human lysozyme and RGD adhesion signals for studies of high-order structure
- L6 ANSWER 60 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Genetic vector for multiple stable integration of DNA sequences into the genome of the *Kluyveromyces*
- L6 ANSWER 61 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Modulation of cytotoxicity and differentiation-inducing potential of arabinofuranosylcytosine in myeloid leukemia cells by hematopoietic cytokines
- L6 ANSWER 62 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI The regulatory domain organization of eukaryotic genomes: Implications for stable gene transfer
- L6 ANSWER 63 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Lysozyme gene expression in macrophages and specialized epithelial cells
- L6 ANSWER 64 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Cloning and nucleotide sequence of the gene encoding the 136-kilodalton surface protein (muramidase-released protein) of *Streptococcus suis* type 2
- L6 ANSWER 65 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI A recombinant single chain antibody interleukin-2 fusion protein
- L6 ANSWER 66 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Cloning, expression, and use of alkaline protease gene from *Fusarium*
- L6 ANSWER 67 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI DNA sequences for discrimination between virulent and nonvirulent *Streptococcus suis* type II and for preparation of vaccines
- L6 ANSWER 68 OF 171 HCAPLUS COPYRIGHT 2002 ACS
TI Primary structure and processing of the *Candida tsukubaensis*

.alpha.-glucosidase. Homology with the rabbit intestinal
sucrase-isomaltase complex and human lysosomal .alpha.-glucosidase

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TI Stomach lysozyme gene of the langur monkey: tests for convergence and
positive selection

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TI Alternative polyadenylation of the amyloid protein precursor mRNA
regulates translation